

PROSTATE-SPECIFIC MEMBRANE ANTIGEN AND USES THEREOF

ABSTRACT OF THE INVENTION

5

This invention provides an isolated nucleic acid molecule encoding an alternatively spliced human prostate-specific membrane antigen. This invention provides an isolated nucleic acid comprising a promoter
10 sequence normally associated with the transcription of a gene encoding a human prostate-specific membrane antigen. This invention provides an isolated polypeptide having the biological activity of an alternatively spliced prostate-specific membrane
15 antigen.

This invention provides a method of detecting a nucleic acid encoding an alternatively spliced human prostate-specific membrane antigen and a method of detecting a
20 prostate tumor cell in a subject.

Lastly, this invention provides a pharmaceutical composition comprising a compound in a therapeutically effective amount and a pharmaceutically acceptable
25 carrier and a method of making prostate cells susceptible to a cytotoxic chemotherapeutic agent.